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## NOTICE OF ALLOWANCE AND FEE(S) DUE

32294

7590

03/07/2008

SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR 8000 TOWERS CRESCENT TYSONS CORNER, VA 22182

EXAMINER					
OLSEN, LIN B					
ART UNIT	PAPER NUMBER				
2441					

DATE MAILED: 03/07/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808.336	03/25/2004	Nobuo Higaki	59349.00016	5455

TITLE OF INVENTION: BIPED ROBOT CONTROL SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/09/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further indicated unless correct maintenance fee notifica	correspondence including ed below or directed other tions.	ng the Patent, advance of nerwise in Block 1, by (	orders and notification of a) specifying a new corre	maintenance fees very spondence address	will be ; and/or	mailed to the current of (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
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TYSONS CORN	NER, VA 22182						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/808,336	03/25/2004	•	Nobuo Higaki		•	59349.00016	5455
TITLE OF INVENTION	: BIPED ROBOT CONT	IROL SYSTEM					
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	06/09/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
OLSEN	, LIN B	3661	700-255000				
CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  The Address indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.  Change of correspondence address (or Change of Correspondence Address indication form PTO/SB/122) attached.  Change of correspondence address (or Change of Correspondence Address indication form PTO/SB/122) attached.  Change of correspondence address (or Change of Correspondence Address indication form PTO/SB/122) attached.  Change of correspondence address (or Change of Correspondence Address indication form PTO/SB/122) attached.  Change of correspondence address (or Change of Correspondence Address indication form PTO/SB/122) attached.  Change of correspondence address (or Change of Correspondence Address indication form PTO/SB/122) attached.  Change of up to 3 registered patent attorneys or agents or							
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Please check the appropr	tate assignee category or	categories (will not be p	rinted on the patent):	Individual 🖵 C	orporau	on or other private grot	up entity 🔲 Government
4a. The following fee(s)	are submitted:	4	<ul> <li>b. Payment of Fee(s): (Ple</li> <li>A check is enclosed.</li> </ul>		ny prev	riously paid issue fee sl	hown above)
	No small entity discount p	permitted)	Payment by credit card. Form PTO-2038 is attached.				
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5. Change in Entity Sta	*		_				
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Authorized Signature				Date			
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10/808,336	03/25/2004	Nobuo Higaki	59349.00016	5455
32294 7590 03/07/2008 SQUIRE, SANDERS & DEMPSEY L.L.P.		EXAMINER		
		OLSEN, LIN B		
14TH FLOOR			ART UNIT	PAPER NUMBER
8000 TOWERS CRESCENT TYSONS CORNER, VA 22182			3661 DATE MAILED: 03/07/200	0

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 826 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 826 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/808,336	HIGAKI ET AL.			
Notice of Allowability	Examiner	Art Unit			
	LIN B. OLSEN	3661			
	LIN B. OLOLIN	3001			
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. <b>THIS</b>			
1. This communication is responsive to <u>11/26/2007</u> .					
2. The allowed claim(s) is/are <u>1-10</u> .					
3. ☐ Acknowledgment is made of a claim for foreign priority ur  a) ☐ All b) ☐ Some* c) ☐ None of the:					
1. Certified copies of the priority documents have					
2. Certified copies of the priority documents have					
<ol> <li>Copies of the certified copies of the priority documents</li> <li>International Bureau (PCT Rule 17.2(a)).</li> </ol>	cuments have been received in this	national stage application from the			
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review ( PTO	-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
<ul><li>(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date</li></ul>	s Amendment / Comment or in the 0	Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the					
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal F	Patent Application			
2. ☐ Notice of Preferences Cited (PTO-692)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •			
	Paper No./Mail Da	te			
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>9/5/2007</u>	7. Examiner's Amend	ment/Comment			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance			
<del> </del>	9.				

### **DETAILED ACTION**

### Response to Amendment

This is a response to the amendment and arguments file November 26, 2007.

## Specification

The amendments to the specification at pages 1 and 18 have been entered.

#### Information Disclosure Statement

Applicant's arguments, see page 7 of response, filed November 26, 2007, with respect to the IDS have been fully considered and are persuasive. The objection to the IDSes has been withdrawn.

#### Response to Arguments

Applicant's arguments, see Amendments to the claims pages 3-6 of response filed November 26, 2007, and arguments pages 8–12 of the same response have been fully considered and are persuasive. The rejection of claims 1-10 has been withdrawn.

## Allowable Subject Matter

Claims 1-10 are allowed.

The following is an examiner's statement of reasons for allowance: The cited prior art does not teach or suggest a bi-ped robot that captures a stereoscopic image around the robot, analyzes that image, detects the presence of a moving object around

the robot based on the analyzed image, calculates a position and angle of the moving object relative to the robot, determines whether the motion of the robot needs to be stopped, controls the motion of the bi-ped robot to stop the motion, when the motion of the robot is determined to be stopped, such that the distance of travel from the capture of the image to the stopping of the robot falls within a predetermined distance and the processing time, based on an amount of time from the capturing of the image to the controlling of the robot to stop motion, is set so that the distance of travel of the robot does not exceed the difference between the predetermined distance and the distance the robot would travel in two walking steps of the legs of the robot.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LIN B. OLSEN whose telephone number is (571)272-9754. The examiner can normally be reached on Mon - Fri, 8:30 -5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas G. Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 3661

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LO

/Thomas G. Black/

Supervisory Patent Examiner, Art Unit 3661